

Name(s) of Risk Team Members: P. Sparrow, R. Karol, J. Maraviglia			Point Value → Parameter ↓		1		2		3		4		5			
Area/Facility Description Title: Collider-Accelerator Department			Occupancy or Use (A)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Area/Facility # (if applicable): Area-Wide FRA 11-05																
Area/Facility Description: Area-Wide Offices			Severity (B)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
			Likelihood (C)		Extremely Unlikely		Unlikely		Possible		Probable		Multiple			
Approved by: <i>E. Lessard</i>			Date: 5-13-05		Rev.#: 0											
Reason for Revision (if applicable):									Comments:							
					Risk with Controls in Place							Risk with Additional Controls in Place				
Physical Item or Activity		Hazard(s)	Control(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk				Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Walking surfaces to and from Offices		Falls on same level	Facility maintenance, postings, barriers, snow removal, snow shovels for emergency use by staff, snow-melt provided at most doors of occupied buildings, ID of snow removal priority areas, training, safety shoes, snow cleats available for staff, schedule meetings with BNL Site Superintendent each Fall to review snow removal issues, Tier 1 inspections, housekeeping policy, normal and emergency lighting, at risk people asked to wear flat shoes or sneakers, a waxed floor checked for slip resistance in January 2005 showing coefficient of friction was well within acceptable limit	5	4	3	60									
Office shelving		Falls to lower level, such as falling from a stool	Lift limits, use of step stools, use of dedicated movers and riggers	5	2	2	20									
Office shelving		Being struck by an object, such as a shelf item	Limit usage of top shelves, lower shelf heights, Tier 1 inspections	5	2	2	20									
Storage		Combustibles	Tier 1 inspections, fire detection and suppression systems	5	3	2	30									
Storage		Blocked egress	Normal and emergency lighting, life safety codes, proper planning of office equipment layout, Tier 1 inspection	5	3	2	30									
Electrical		Fire	Proper grounding, fire detection and suppression systems, Tier 1 inspections, facility maintenance, use of listed and approved devices	5	3	2	30									

Electrical	Contact with temperature – extremes that result in such injuries as burns	Tier 1 inspections, facility maintenance, use of listed and approved devices	5	2	2	20					
Electrical	Electrical shock	Proper training to NFPA 70E, proper grounding, Tier 1 inspections, facility maintenance, work planning, LOTO, GFCI, use of listed and approved devices, contractors servicing office equipment follow NFPA 70E requirements	5	2	1	10					
Electrical	Arc Flash	Proper training to NFPA 70E regarding breaker operation, Tier 1 inspections, facility maintenance, work planning, LOTO, GFCI, use of listed and approved devices, contractors servicing office equipment follow NFPA 70E requirements	5	2	1	10					
Computer and Office Machine Usage	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying of an object, or repetitive motion	BNL SHSD and C-AD ESHQ Division ergonomic reviews, training, use of ergonomically designed equipment	5	2	4	40					
Working environment	Poor air quality, mold	HVAC, facility maintenance, Tier 1 inspections	5	2	2	20					
Further Description of Controls Added to Reduce Risk:											
Staff told to ensure all contractors are trained to NFPA 70E or cannot operate breakers.											
*Risk:	0 to 20	21 to 40	41-60		61 to 80		81 or greater				
	Negligible	Acceptable	Moderate		Substantial		Intolerable				